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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/512,884	02/25/2000	Toshiyuki Kashiwagi	000207	7754
23850	7590	07/29/2004	EXAMINER	
ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP 1725 K STREET, NW SUITE 1000 WASHINGTON, DC 20006			HUYNH, KIM T	
			ART UNIT	PAPER NUMBER
			2112	

DATE MAILED: 07/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/512,884

Applicant(s)

KASHIWAGI ET AL.

Examiner

Kim T. Huynh

Art Unit

2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 14 July 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 February 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Receipt Acknowledgement*

1. Receipt is acknowledged of the request filed on July 20, 2004 for a request for continued examination (RCE) under 37 CFR 1.114 based on the application No. 09/512884, which the request is acceptable and an RCE has been established. Currently, claims 1-9 are pending in this application.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-5, 7-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Clancy et al. (US Patent 5,168,427)

As per claim 1, Clancy discloses an electronic apparatus to which an input device is connected, comprising:

- A main unit(14);
- A display unit(32) rotatably attached to the main unit(14); and
- A retaining mechanism retaining at least one portion of the input device into a space which is formed by between the display unit and the main unit when the input device is not used, wherein the input device is completely detachable from the space. (wherein pin 46, latch assembly 54), (fig.3,

col.3, lines 3-16, release the lock input device pop up from space and by removing the pin 46 the input device 10 is completely detachable)

As per claim 2, Clancy discloses wherein the retaining mechanism comprises at least one supporting member(80).

As per claims 3, 5, Clancy discloses wherein the retaining mechanism further comprises a supporting member(80) is mounted so as to be storable in the main unit when the input device is not being stored.

As per claim 4, Clancy discloses wherein the retaining mechanism comprises an engaging member (46) engaging the main unit(14) and the input device(10).

As per claim 7, Clancy discloses an input device 10 detachably connected to an electric apparatus having a display unit 32 rotatably attached to a main unit 14, the input device comprising at least one engaging member engaging the main unit so that at least one position of the input device is retained into a space which is formed between the display unit and the main unit, wherein the input device is completely detachable from the space. (wherein pin 46, latch assembly 54, fig.3, col.3, lines 3-16, release the lock input device pop up from space and by removing the pin 46 the input device 10 is completely detachable)

As per claim 8, Clancy discloses an electronic apparatus, comprising:

- A main unit(14);
- A keyboard (10) detachable from the main unit;
- A display unit (32) rotatably attached to the main unit, and

- A supporting member (80) rotatably mounted to the main unit to hold the keyboard against the main unit when the supporting member is lowered from the main unit and the keyboard is mounted on the supporting member, wherein when the keyboard is mounted on the supporting member and the display unit is rotated down, the keyboard 10 is disposed in a space between the display unit 32 and the main unit 14, wherein the input device is completely removable from the space. (wherein pin 46, latch assembly 54), (fig.3, col.3, lines 3-16, release the lock input device pop up from space and by removing the pin 46 the input device 10 is completely detachable)

As per claim 9, Clancy discloses a main unit used for an electronic apparatus to which an input device is connected, the electronic apparatus having a display unit (32) rotatably attached to the main unit(14), the main unit comprising a support member (80), wherein the support member projects from a from surface of the main unit into a space formed between the display unit (32) and the main unit, so that at least one portion of the input device is retained into the space when the input device is not used, and wherein the input device is completely detachable from the space. (wherein pin 46, latch assembly 54), (fig.3, col.3, lines 3-16, release the lock input device pop up from space and by removing the pin 46 the input device 10 is completely detachable)

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Clancy et al. (US Patent 5,168,427) in view of Kimura et al. (US Patent 6,108,716)

Clancy discloses all the limitations as above except an electronic apparatus further comprising detector detecting each of a storage and a removal operation of the input device and controlling predetermined operation of the electronic apparatus according to signal of detector. However, Kimura discloses detect sensor which detects keyboard is mounted on the system, terminals which send or receive signals to or from terminal for keyboard of system. (col.10, lines 24-42)

It would have been obvious to one having ordinary skills in the art at the time the invention was made to incorporate Kimura's teaching into Clancy's method so as to provide a data processing unit which stabilizes the system, with the keyboard detached from the system regardless of the position of the display unit with respect to the system. (col.1, lines 45-50)

***Response to Amendment***

5. Applicant's amendment filed on 7/14/04 have been fully considered but are not place application in condition for allowance.

a. In response to applicant's argument that Clancy does not disclose or suggest that the input device can be completely detached from the space. As Clancy notes at (col.4, lines 56- col.5, line 7) figure 5, pin 46, as broadly claimed, the input device 10 is completely detachable from the space by removing the pin (46).

Thus, the prior art teaches the invention as claimed and the amended claims do not distinguish over the prior art as applied.

### **Conclusion**

6. *Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kim Huynh whose telephone number is (703)305-5384 or via e-mail addressed to [kim.huynh3@uspto.gov]. The examiner can normally be reached on M-F 8:30AM- 6:30PM.*

*If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on (703) 305-4815 or via e-mail addressed to [mark.rinehart@uspto.gov]. The fax phone numbers for the organization where this application or proceeding is assigned are (703)872-9306 for regular communications and After Final communications.*

*Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)306-5631.*

Kim Huynh

July 20, 2004

  
MARK H. RINEHART  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100